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⑪ Publication number:

0 288 256 A3

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EUROPEAN PATENT APPLICATION

⑬ Application number: 88303543.8

⑮ Int. Cl. 5: **C07D 213/76, C07D 213/36,
C07D 213/79, C07D 213/81,
C07D 401/14, C07D 405/14,
C07D 471/04, G01N 33/533,
G01N 33/58, // (C07D471/04,
221:00,221:00)**

⑭ Priority: 20.04.87 US 40385

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⑯ Date of publication of application:
26.10.88 Bulletin 88/43

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⑯ Designated Contracting States:
DE FR GB

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⑯ Date of deferred publication of the search report:
26.06.91 Bulletin 91/26

⑯ Fluorescent labels.

⑯ There are described stable fluorescent labels comprising a complex of Eu⁺³ and a chelating agent comprising a nucleus which is a triplet sensitizer having a triplet energy greater than that of Eu⁺³ and at least two heteroatom-containing groups which form coordinate complexes with Eu⁺³ and a third heteroatom-containing group or heteroatom in or appended to the triplet sensitizer which chelating agents are polypyridine or phenanthroline compounds. Labeled physiologically active materials useful in specific binding assays such as labeled antigens, haptens, antibodies, hormones and the like comprising the stable fluorescent labels having physiologically active materials adsorbed or bonded thereto are also described.

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EP 88 30 3543

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)		
Category	Citation of document with indication, where appropriate, of relevant passages				
X	EP-A-0171978 (H.S.C. RESEARCH DEVELOPMENT CORPORATION) * page 23, line 25 - page 24, line 24; claims 1-10 * * examples 6-22 * ---	1, 2, 4, 7-9	C07D213/76 C07D213/36 C07D213/79 C07D213/81 C07D401/14 C07D405/14 C07D471/04 G01N33/533 G01N33/58 //(C07D471/04, 221:00,221:00)		
A	EP-A-0068875 (EASTMAN KODAK CO.) * claims 1,2,4,5,10-13 *	1-10			
D	& US-A-4637988 ---				
A	EP-A-0195413 (TRAVENOL-GENETECH DIAGNOSTICS) * claims 1-20 *	1, 9			
A	EP-A-0203047 (J. KANKARE ET AL.) * claims 1-9 *	1, 9			
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.4)		
			C07D213/00 C07D401/00 C07D405/00 C07D471/00 G01N33/00		
Place of search		Date of completion of the search			
BERLIN		18 APRIL 1991			
Examiner		VAN AMSTERDAM L.			
CATEGORY OF CITED DOCUMENTS					
X : particularly relevant if taken alone					
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